

Chapter 69

Report on Global Environment

Competitiveness of Iraq

Iraq is located in the Middle East in the southwest of Asia, borders on Saudi Arabia, Kuwait, Turkey and other countries. The local climate is tropical desert climate, domestic crude oil and natural gas resources are rich. It covers 434.3 thousand of square kilometers and has a population of 32.96 million. Its GDP reaches \$115.39 billion in 2011. Through the index system and evaluation model, the environment competitiveness index of Iraq ranks at 131 in 133 countries.

Score:
38.02
Rank:
131

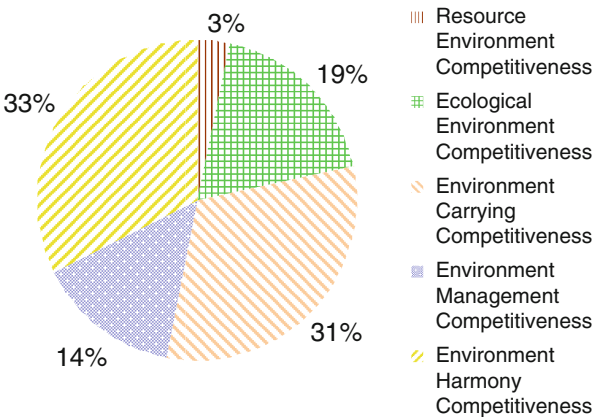


Fig. 69.1 Contribution of sub-index to GEC

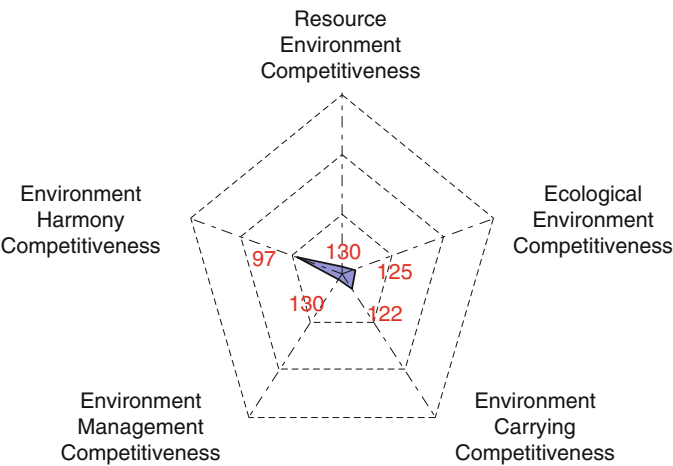


Fig. 69.2 Rank of sub-index of GEC

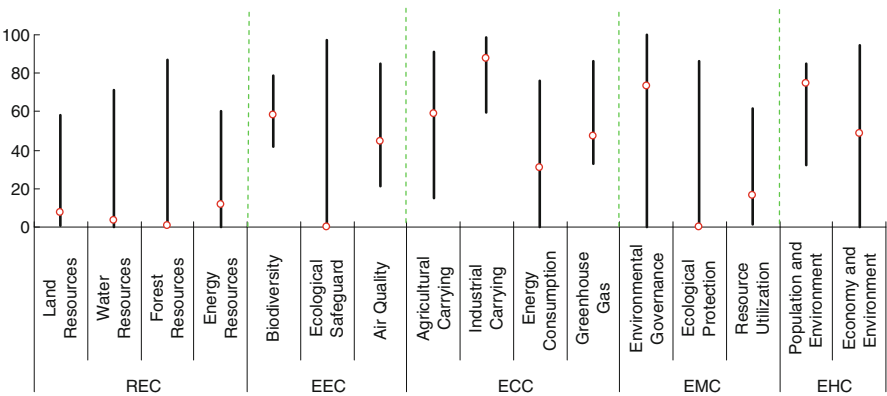


Fig. 69.3 Score and rank of the pillars of GEC

Table 69.1 Score and rank of all indicators of GEC

Indicators	Score	Rank	Indicators	Score	Rank
1 Resource Environment Competitiveness	6.17	130	Groundwater	1.05	108
1.1 Land Resources	7.29	107	Total internal renewable water resources	4.09	100
Land area per capita	2.35	69	1.3 Forest Resources	0.94	130
Percentage of arable land to total land area	15.49	83	Growing stock in forest and other wooded land	0.00	121
Arable land per capita	5.68	88	Proportion of land area covered by forest	2.22	118
1.2 Water Resources	3.71	115	Forest area per capita	0.17	118
Surface water	2.37	87	1.4 Energy Resources	11.37	40
Annual precipitation	7.34	118			

(continued)

**Table 69.1** (continued)

Indicators	Score	Rank	Indicators	Score	Rank
Fossil energy	11.90	11	Annual freshwater withdrawals for industry per value added of industry	87.18	117
Energy production	3.98	25	3.3 Energy Consumption	31.16	104
Proportion of combustible renewable and waste to total energy consumption	0.07	113	Energy consumption per unit of land area	99.82	59
Net energy imports of the energy consumption	42.65	11	Ratio of clean energy consumption	1.47	92
<b>2 Ecological Environment Competitiveness</b>	<b>35.24</b>	<b>125</b>	Elasticity of energy consumption	13.34	99
2.1 Biodiversity	58.19	63	Elasticity of electric power consumption	9.99	94
Threatened fish species	94.81	28	3.4 Greenhouse Gas	47.16	127
Threatened mammal species	92.93	78	Growth rate of CO <sub>2</sub> emissions	28.92	121
Threatened plant species	100.00	1	Growth rate of Methane emissions	53.38	97
GEF benefits index for biodiversity	1.60	73	CO <sub>2</sub> emissions per unit of land area	99.73	77
2.2 Ecological Safeguard	0.00	132	CO <sub>2</sub> emissions per unit of energy consumption	24.83	110
Terrestrial protected areas	0.00	130	<b>4 Environment Management Competitiveness</b>	<b>27.17</b>	<b>130</b>
Marine protected areas	N/A	N/A	4.1 Environmental Governance	73.50	97
2.3 Air Quality	44.46	113	Agricultural chemicals regulation	N/A	N/A
Inhalable particles (PM10)	35.77	122	Percentage of the rural population with access to an improved water source	56.00	100
Particulate matter (PM2.5)	42.96	128	Percentage of the urban population with access to an improved water source	91.00	106
Index of indoor air pollution	41.90	54	4.2 Ecological Protection	0.27	133
Nitrogen oxides emission	68.28	49	Area of plantation and afforestation	0.02	108
Sulfur dioxide emission	39.32	101	Biome protect	0.60	131
<b>3 Environment Carrying Competitiveness</b>	<b>59.67</b>	<b>122</b>	Overfishing of fishing resources	N/A	N/A
3.1 Agricultural Carrying	59.08	122	4.3 Resource Utilization	16.71	129
Cereal yield per unit of arable land	14.84	99	Utilization rate of water resources	3.54	13
Fertilizer consumption per unit of arable land	96.99	49	Percentage of total internal renewable water resources to total water resources	35.70	104
Annual freshwater withdrawals for agriculture per unit of arable land	80.14	123			
3.2 Industrial Carrying	87.62	98			
Net exports of goods as a percentage of GDP	66.37	109			
Electric power consumption per unit of value added of industry	97.10	15			
SO <sub>2</sub> emissions per unit of value added of industry	99.82	66			

(continued)

**Table 69.1** (continued)

Indicators	Score	Rank	Indicators	Score	Rank
Percentage of agricultural land to total land area	23.81	112	SO <sub>2</sub> emissions per capita	92.57	86
Percentage of fossil fuel energy consumption to total energy consumption	3.79	112	CO <sub>2</sub> emissions per capita	91.34	68
5 Environment Harmony Competitiveness	61.85	97	Energy consumption per capita	91.80	57
5.1 Population and Environment	74.96	43	5.2 Economy and Environment	48.73	113
Percentage of population with access to Improved sanitation facilities	73.00	84	Land resource utilization efficiency	0.08	81
Motor vehicles per 1,000 people	94.07	39	Sulfur dioxide emissions per unit of GDP	77.70	117
Renewable internal freshwater resources per capita	1.29	102	Carbon dioxide emissions per unit of GDP	50.77	126
			Energy consumption per unit of GDP	66.37	105

**Table 69.2** Rank distribution of the individual indicators of GEC

Sub-index	Number of the individual indicators	Rank 1–10	Rank 11–30	Rank 31–60	Rank 61–100	Rank 101–133
Resource Environment Competitiveness	14	0	2	1	3	8
Ecological Environment Competitiveness	11	1	1	2	2	5
Environment Carrying Competitiveness	15	0	1	2	7	5
Environment Management Competitiveness	10	0	1	0	2	6
Environment Harmony Competitiveness	10	0	0	2	4	4
Total	60	1	5	7	18	28

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